



Wednesday, 24th April 2024

Future Trends in Computational Finance

Alumni Insights

The Department of Mathematics at NED University of Engineering and Technology recently organized an enlightening session titled "Future Trends in Computational Finance: Alumni Insights." This gathering served as a platform for esteemed alumni who have carved successful paths in the realm of Computational Finance to share their profound insights and perspectives on the evolving landscape of this dynamic field.

The event commenced with a warm welcome from the faculty members, highlighting the significance of Computational Finance in today's rapidly changing financial ecosystem. They emphasized the pivotal role played by NED University in nurturing talent and fostering innovation in this interdisciplinary domain.



The three distinguished alumni stood out with their exceptional achievements and insightful perspectives. Let's delve into the remarkable journeys of the guest speakers

Saarah Rasheed

After graduating with a Bachelor's in Computational Finance from NED University in 2017, Saarah Rasheed embarked on a journey marked by dedication and excellence. Currently serving as the Manager of Business Analytics at NBP Fund Management Ltd., Saarah has showcased her prowess in leveraging computational techniques to drive strategic decision-making in the finance sector. With a keen eye for data analysis and a strong foundation in financial modeling, she has played a pivotal role in optimizing investment strategies and enhancing portfolio performance at NBP Fund Management Ltd.



Mohsin Khan

Mohsin Khan's journey in Computational Finance is a testament to his unwavering commitment to excellence and continuous learning. Graduating with a Bachelor's degree from NED University in 2017, Mohsin pursued further studies, earning a Master's in International Finance from the Berlin School of Economics and Law, Germany. Currently serving as a Commercial Finance Analyst at Avery Dennison in Germany, Mohsin's multidisciplinary expertise has enabled him to navigate complex financial landscapes with finesse. His ability to integrate computational finance principles with global financial perspectives has been instrumental in driving strategic initiatives and fostering sustainable growth at Avery Dennison.



Syed Aun Raza

Syed Aun Raza's journey epitomizes the intersection of computational prowess and data-driven insights. Armed with a Bachelor's degree in Computational Finance from NED University in 2017, Syed Aun pursued further studies, obtaining a Master's in Data Science from NUST University in 2022. Currently serving as a Senior Risk Consultant at PwC Middle East, Syed Aun has emerged as a thought leader in the realm of risk management and regulatory compliance. His expertise in leveraging advanced analytics and machine learning techniques to mitigate risks and enhance decision-making processes has earned him accolades within the industry. Syed Aun's contributions to the field of Computational Finance underscore the transformative potential of data-driven strategies in addressing complex business challenges.



Collectively, Saarah Rasheed, Mohsin Khan, and Syed Aun Raza exemplify the spirit of innovation and excellence that defines NED University's Computational Finance program. Their diverse backgrounds, coupled with their unwavering commitment to pushing the boundaries of knowledge, serve as a source of inspiration for aspiring professionals in the field. As they continue to make indelible marks in their respective careers, their insights and achievements will undoubtedly shape the future trajectory of Computational Finance on a global scale.

Following the enlightening presentations by the alumni panel, the event seamlessly transitioned into an engaging question and answer session, where current Computational Finance students eagerly seized the opportunity to glean insights and guidance from the esteemed guests. Here's a glimpse into the enriching exchange:



AI's Role in Computational Finance

One of the prevalent topics of discussion revolved around the integration of artificial intelligence (AI) in Computational Finance. Students were keen to understand how AI technologies such as machine learning and deep learning are reshaping traditional financial modeling techniques. Drawing from their practical experiences, the alumni shed light on the transformative impact of AI in areas such as algorithmic trading, risk management, and portfolio optimization. They emphasized the importance of acquiring proficiency in programming languages like Python and R, along with a solid understanding of statistical methods and machine learning algorithms, to leverage AI effectively in Computational Finance.

FYP Guidelines

Several students sought guidance on selecting suitable topics and navigating the requirements for their Final Year Projects (FYPs). The alumni provided valuable insights into identifying research gaps, formulating research questions, and conducting comprehensive literature reviews. They encouraged students to explore interdisciplinary themes and leverage emerging technologies such as blockchain, data analytics, and algorithmic trading in their FYPs. Emphasizing the significance of collaboration with industry partners and faculty mentors, the alumni underscored the importance of aligning FYPs with real-world challenges and industry trends.

Studying Abroad and Pursuing Masters

Aspiring to pursue higher education abroad, many students sought advice on navigating the application process and selecting suitable programs for graduate studies. Drawing from their own experiences, the alumni offered practical tips on preparing for standardized tests, crafting compelling personal statements, and securing scholarships or financial aid. They highlighted the importance of researching potential universities and programs meticulously, considering factors such as faculty expertise, research opportunities, and alumni networks. Additionally, the alumni emphasized the value of gaining practical work experience through internships or research assistantships to strengthen graduate school applications and enhance career prospects.

Throughout the question and answer session, the alumni generously shared their expertise, anecdotes, and practical advice, leaving the audience inspired and empowered to navigate their academic and professional journeys with confidence. The event served as a testament to the enduring bond between NED University's Computational Finance community and showcased the invaluable role of alumni in nurturing the next generation of talent in the field. As the session drew to a close, students departed with a renewed sense of purpose and a deeper appreciation for the limitless possibilities awaiting them in the ever-evolving landscape of Computational Finance.



Conclusion

In conclusion, the insightful session on "Future Trends in Computational Finance: Alumni Insights" organized by the Department of Mathematics at NED University of Engineering and Technology was a resounding success, thanks to the collaborative efforts of the student management team, faculty members, and the invaluable contributions of esteemed alumni.



Extending heartfelt appreciation to the dedicated student management team, led by Sir Syed Tauqeer Ahmed Hashmi and Sir Sami Ullah Qureshi, for their tireless efforts in orchestrating this enriching event at such short notice. Their meticulous planning, attention to detail, and unwavering commitment ensured a seamless and impactful experience for all participants.

As students depart with newfound knowledge, inspiration, and a sense of purpose, we are reminded of the enduring bond that unites the NED University community. The session serves as a testament to the collaborative spirit and commitment to excellence that define our institution.

Moving forward, we are confident that the invaluable lessons and perspectives shared during this session will continue to guide and inspire students as they embark on their academic and professional journeys in Computational Finance. With gratitude and appreciation, we look forward to future opportunities for learning, growth, and collaboration within the vibrant NED University community.